

Table of flood stages during April 1937—Continued

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
WEST GULF OF MEXICO DRAINAGE					
Rio Grande:	<i>Feet</i>			<i>Feet</i>	
Espanola, N. Mex.-----	7	13	(1)	7.8	17
Albuquerque, N. Mex.-----	4	16	17	5.0	17
GULF OF CALIFORNIA DRAINAGE					
Colorado Basin					
San Juan: Farmington, N. Mex.-----	7	16	17	8.0	16
PACIFIC SLOPE DRAINAGE					
Columbia Basin					
Middle Fork: Eula, Oreg.-----	13	14	14	13.5	14
Coast Fork: Saginaw, Oreg.-----	9	13	16	11.5	13
McKenzie: Leaburg, Oreg.-----	12	13	16	15.6	14, 15
Santiam: Jefferson, Oreg.-----	10	13	16	14.5	15
Willamette:					
Eugene, Oreg.-----	12	14	16	14.3	15
Harrisburg, Oreg.-----	10	13	17	15.0	16
Albany, Oreg.-----	20	15	18	24.6	16
Salem, Oreg.-----	20	15	18	22.4	16
Oregon City, Oreg.-----	12	15	19	14.6	18

1 Continued into May.

2 Approximate.

3 Continued from previous month.

4 Fell 0.7 foot below flood stage on 5th and 0.6 foot below on 20th.

5 Fell slightly below flood stage on 24th.

6 Fell slightly below flood stage on 2d, 3d, and 20th.

7 Fell slightly below flood stage on 23d.

REDETERMINATIONS AND ERRATA—MONTHLY WEATHER REVIEW, APRIL 1936

Page	Data	Published	Should be
146	Table comparing 1936 flood with previous high records:		
	1936 stage at Columbia, Va.	35.9	35.8
	1936 stage at Hartford, Conn.	37.3	37.6
	1936 stage at Saltsburg, Pa.	33.1	32.9
	1936 stage at Dam No. 6, Beaver, Pa.	54.8	55.5
146	Table of flood stages in March and April 1936:		
	Crest at Bellows Falls, Vt.	24.6	24.7
	Date of crest at Holyoke, Mass.	Mar. 20	Mar. 19, 20
	Crest at Springfield, Mass.	38.6	38.6
	Date of crest at Springfield, Mass.	do	Mar. 20
	Crest at Hartford, Conn.	37.3	37.6
	Crest at Clearfield, Pa.	17.8 ¹	17.5
	Crest at Ranovo, Pa.	29.3	29.4
	Crest at Williamsport, Pa.	33.7 ¹	33.6
	Date of crest at Williamsport, Pa.	Mar. 19	Mar. 18
	Crest at Huntingdon, Pa.	22.0 ¹	22.7
	Crest at Wilkes-Barre, Pa.	28.9	28.8
	River for stations at Neuse and Smithfield, N. C.	Omitted	Neuse.
	Date of crest at Cheraw, S. C.	Apr. 3	Apr. 4
147	Crest at Milstead, Ala.	42.2	42.1
	Date of crest at Ottumwa, Iowa	Mar. 6	Mar. 5, 6
	Crest at Saltsburg, Pa.	33.1	32.9
	Crest at Lock No. 4, Charlevoix, Pa.	40.1	40.3
	Crest at Coshocton, Ohio, on Mar. 1 should be omitted.		
148	Oldtown (near Newport), Tenn. Insert dates above flood stage from Mar. 24 to Mar. 29—crest 11.4, date Mar. 26.		
	Crest at Oldtown (near Newport), Tenn.	12.3	10.9
	Crest at Dam No. 6, Beaver, Pa.	54.8	55.5
	Date of crest at Dam No. 48, Henderson, Ky.	Apr. 1	Apr. 1, 2
	Date of crest at Dam No. 49, Uniontown, Ky.	Apr. 4	Apr. 3, 4
	Date of crest at Cairo, Ill.	Apr. 16	Apr. 15, 16
	Date of crest at Memphis, Tenn.	Apr. 22	Apr. 20-22

WEATHER ON THE ATLANTIC AND PACIFIC OCEANS

[The Marine Division, I. R. TANNEHILL, in charge]

NORTH ATLANTIC OCEAN, APRIL 1937

By H. C. HUNTER

Atmospheric pressure.—Pressure averaged slightly below normal over central and southwestern portions of the North Atlantic and considerably below normal over much of the northern portion. From western Iceland to southern Greenland the average deficiency was about one-fifth of an inch. A moderate excess was found over North Sea waters and near the coast of Europe, and there was an excess likewise near Newfoundland, the Maritime Provinces, and New England.

The distribution of pressure through the month showed considerable irregularity. Among noteworthy features

TABLE 1.—Averages, departures, and extremes of atmospheric pressure (sea level) at selected stations for the North Atlantic Ocean and its shores, April 1937

Stations	Average pressure	Departure	Highest	Date	Lowest	Date
	<i>Inches</i>	<i>Inch</i>	<i>Inches</i>		<i>Inches</i>	
Julianaab, Greenland	29.62	-0.21	30.02	7	28.98	1
Reykjavik, Iceland	29.62	-0.18	30.27	24	28.91	10
Lerwick, Shetland Islands	29.85	+0.05	30.42	29	29.32	1
Valencia, Ireland	29.81	-0.08	30.45	29	29.09	2
Lisbon, Portugal	30.09	+0.10	30.36	16	29.80	12
Madeira	30.05	+0.04	30.27	14	29.62	23
Horta, Azores	30.11	-0.04	30.44	18, 25	29.52	3
Belle Isle, Newfoundland	29.90	+0.01	30.36	4	29.02	11
Halifax, Nova Scotia	30.02	+0.09	30.58	5	29.26	10
Nantucket	29.98	+0.01	30.56	5	29.38	9
Hatteras	30.00	-0.01	30.42	13	29.46	9
Bermuda	30.06	-0.03	30.38	5	29.52	1
Turks Island	30.01	-0.01	30.12	13	29.90	27
Key West	30.00	-0.02	30.28	12	29.80	26
New Orleans	29.98	-0.02	30.39	12	29.51	4

NOTE.—All data based on a. m. observations only, with departures compiled from best available normals related to time of observation, except Hatteras, Key West, Nantucket, and New Orleans which are 24-hour corrected means.

were the marked deficiency at Horta during the first 8 days and the moderate excess prevailing thereafter, and the excesses during the final 10 days near Newfoundland and Nova Scotia and around the British Isles.

The extremes of pressure in vessel reports at hand are 30.66 and 28.33 inches. The higher reading was noted on the Belgian motorship *Spidoleine*, during the forenoon of the 17th, near 38° N., 40° W. The lower reading was observed at mid-afternoon of the 3d, on the American steamship *Independence Hall*, when about 700 miles east by south of Cape Race.

Cyclones and gales.—April as a whole had more storm activity than is usual so late in the spring. In last month's issue it was noted that Harbour Island, in the Bahamas, had a violent storm on March 31. This probably was an early phase of the low, which, as April began, was central very near Bermuda, whence it moved northeastward, gaining energy, to a point near the tail of the Grand Banks early on the 2d (see chart IX). From this position it took a more eastward course, and was not far to northward of Horta at a late hour on the 3d, with decidedly less force than on the 2d. As the table of gales and storms shows, two eastbound steamships, close to 42° N., 45° W., on the 2d, encountered force-12 winds, their barometers dropping to about 28.5 inches; but, as already mentioned, a west-bound vessel near the 38th meridian noted a still lower reading the following day.

This first storm was unimportant after the 5th, and thereafter till the 12th there was no very marked storm activity except close to the American coast. Here a storm traveled northeastward near the coast line, being decidedly energetic on the 8th and 9th, close to the Middle Atlantic States, and reached the vicinity of Newfoundland the night of the 10th-11th.